

WHAT IS CLAIMED IS:

1 1. For use in a mobile station capable of accessing a
2 wireless network, an apparatus for transferring geographic location
3 information associated with said mobile station to a server
4 accessible via a communication network coupled to said wireless
5 network, said apparatus comprising:

6 memory that comprises mobile station current position
7 information and at least one encryption/decryption key; and

8 a controller, coupled to the memory, that is capable of
9 determining the geographic location information and storing it in
10 the memory, the controller additionally capable of establishing a
11 secure connection with the server, using the at least one
12 encryption/decryption key, over the wireless network over which the
13 geographic location information is transmitted.

1 2. The apparatus as set forth in Claim 1 and further
2 including a position locator that establishes said geographic
3 location information for said controller.

1 3. The apparatus as set forth in Claim 2 wherein said
2 position controller is a global positioning system receiver.

1 4. The apparatus as set forth in Claim 1 wherein controller
2 is capable of determining the geographic location periodically.

1 5. The apparatus as set forth in Claim 1 wherein controller
2 is capable of determining the geographic location periodically.

1 6. The apparatus as set forth in Claim 1 wherein said
2 controller is capable of determining the geographic location in
3 response to a discrete event.

1 7. The apparatus as set forth in Claim 1 wherein said
2 controller is capable of determining said geographic location from
3 the server.

1 8. The apparatus as set forth in Claim 1 wherein said memory
2 further comprises a server access application program and an
3 encryption/decryption application program.

1 9. For use in a network server, an apparatus for
2 transferring mobile station geographic location information
3 associated with said mobile station to an authorized client access
4 device, said apparatus comprising:

5 memory that comprises mobile station current position
6 information and at least one encryption/decryption key; and

7 a data processor, coupled to the memory, that is capable
8 of storing the geographic location information in the memory, the
9 data processor additionally capable of establishing a secure
10 connection with the mobile station, using the at least one
11 encryption/decryption key, over the wireless network over which the
12 geographic location information is transmitted.

13 10. The apparatus as set forth in Claim 9 wherein said data
14 processor is capable of determining said geographic location
15 information using a geographic location determination technique.

1 11. The apparatus as set forth in Claim 9 wherein said memory
2 further comprises a mobile station record having a mobile station
3 profile, an authorized client profile, and an encryption/decryption
4 key.

1 12. The apparatus as set forth in Claim 11 wherein the mobile
2 station profile comprises the geographic location information.

1 13. The apparatus as set forth in Claim 9 wherein the
2 controller is further capable of transmitting the geographic
3 location information to the authorized client device in response to
4 an authorized request from the authorized client device.

1 14. The apparatus as set forth in Claim 13 wherein the
authorized request comprises a password.

1 15. For use in a network server that is capable of
2 communicating with a mobile station via a wireless network, a
3 method of distributing mobile station geographic location
4 information, the method comprising the steps of:

5 determining the mobile station geographic location
6 information;

7 storing the mobile station geographic location
8 information in a database in memory;

9 receiving an access request from a client access device
10 for the geographic location information;

11 authenticating the access request for the geographic
12 location information; and

13 transmitting the geographic location information to the
14 client access device in response to an authentic access request.

15 16. The method as set forth in Claim 15 wherein the step of
16 determining the geographic location information comprises receiving
17 the geographic location information in an encrypted form from the
18 mobile station over a secure connection.

1 17. The method as set forth in Claim 15 wherein the step of
2 determining the geographic location information comprises the steps
3 of:

4 determining the geographic location information using a
5 triangulation technique;

6 storing the geographic location information in memory; and

7 transmitting the geographic location information to the mobile
8 station.

18. The method as set forth in Claim 15 wherein the step of
transmitting comprises transmitting encrypted geographic location
information to the client access device.

19. The method as set forth in Claim 15 wherein the step of
authenticating comprises determining if a password from the client
access device is authentic.

1 20. The method as set forth in Claim 15 wherein the step of
2 authenticating comprises determining if a decryption key from the
3 client access device is authentic.